Practice Test
Basic Industrial Hygiene

1. During a sound level survey of a small generator, you measured 105 dB at a distance of 1 foot from the generator. At what distance from the generator is required a Safe Distance to be at a 85 dB level?
a. 10 Feet
b. 15 Feet
c. 20 Feet
d. None of the Above

2. You received an Industrial Hygiene report where a worker was exposed to benzene at .2 ppm for 2 hours, and later, .05 ppm for 6 hours. What was the Time Weighted Average for this worker?
a. 1.0 ppm
b. 0.09 ppm
c. 0.2 ppm
d. 0.3 ppm

3. This particular industrial process releases about 1 pint of solvent per hour. Each pint of this Chemical X releases about 2 cubic feet of vapor. Using a Safety Factor of 2, what is the minimum amount of ventilation required to reduce the concentration to below 1.0%?
a. 10 cfm
b. 6.7 cfm
c. 8.2 cfm
d. 5.0 cfm

4. There are three Navy seamen applying metal primer and coating inside one of the ship's quarters. Industrial Hygiene survey determined that the primary component, Toluene, was measured at 200 ppm TWA even with the doors open to the outside. What is the minimum respirator protection level required using a Threshold Limit Value of 50 ppm?
a. Half-Face
b. Full-Face
c. Powered Air Purifying
d. Airline

5. During a noise survey, you measured, using a sound level meter placed near the worker's ear, the following measurements: 103 dB for 2 hours, 95 dB for 3 hours, and 97 dB for 3 hours. What was the noise dose for this individual?
a.100%
b.200%
c.300%
d.400%